

FIG. 1

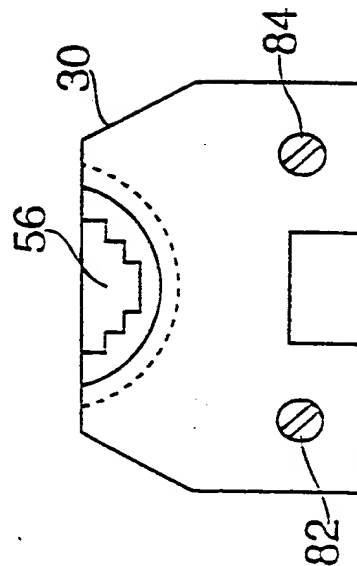


FIG. 7B

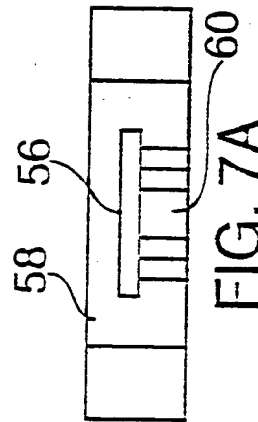


FIG. 7A

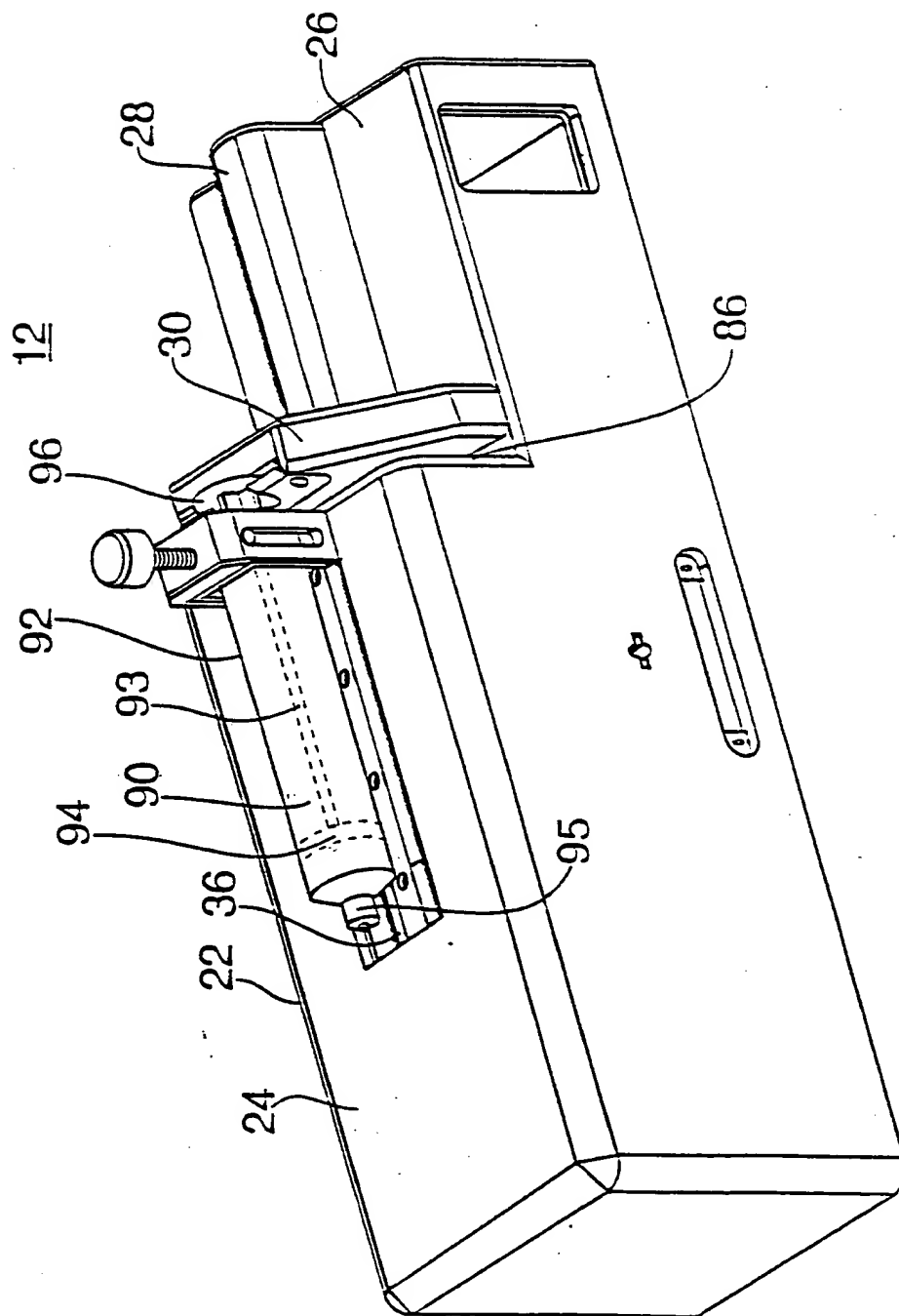


FIG. 2

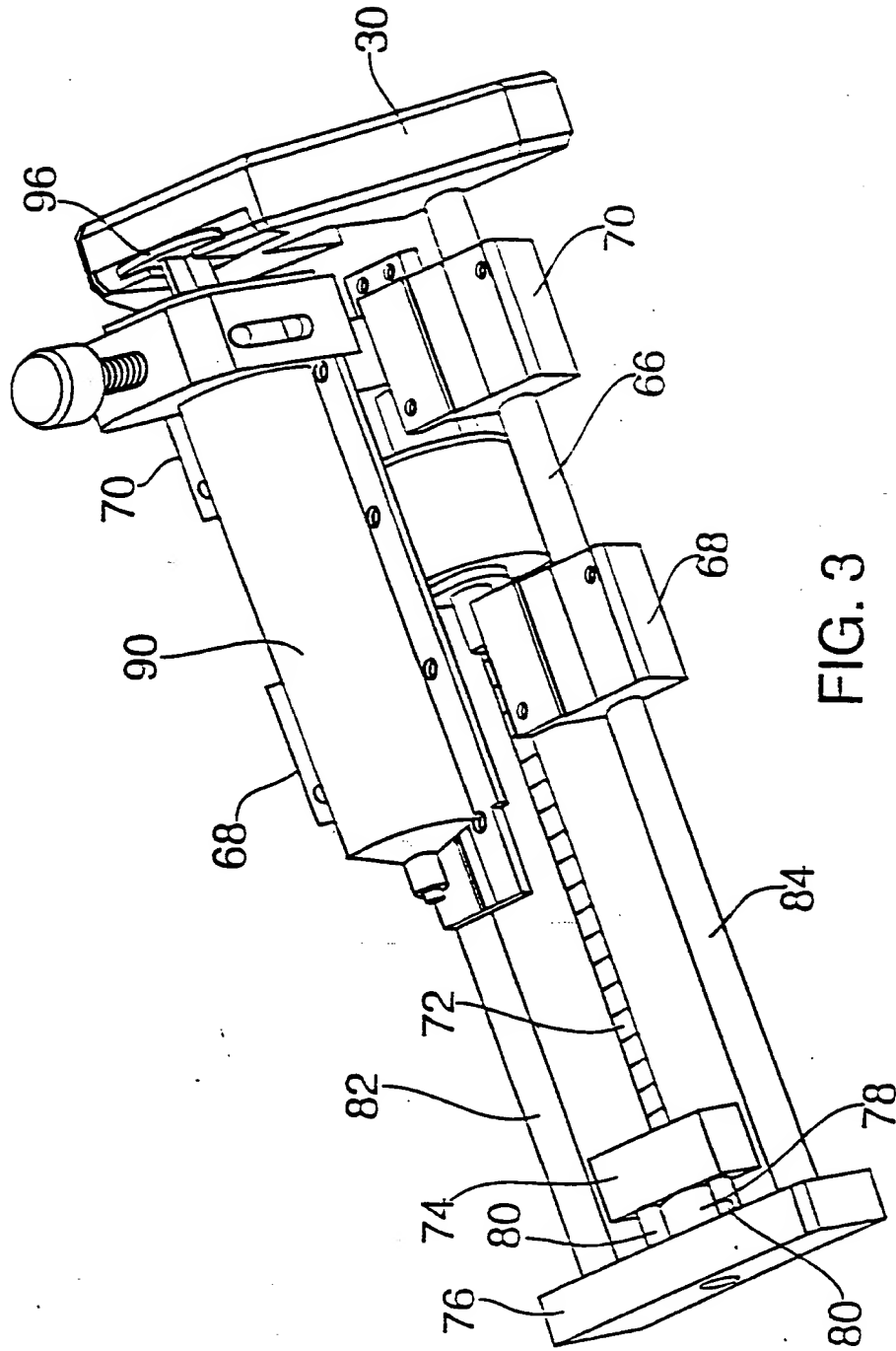
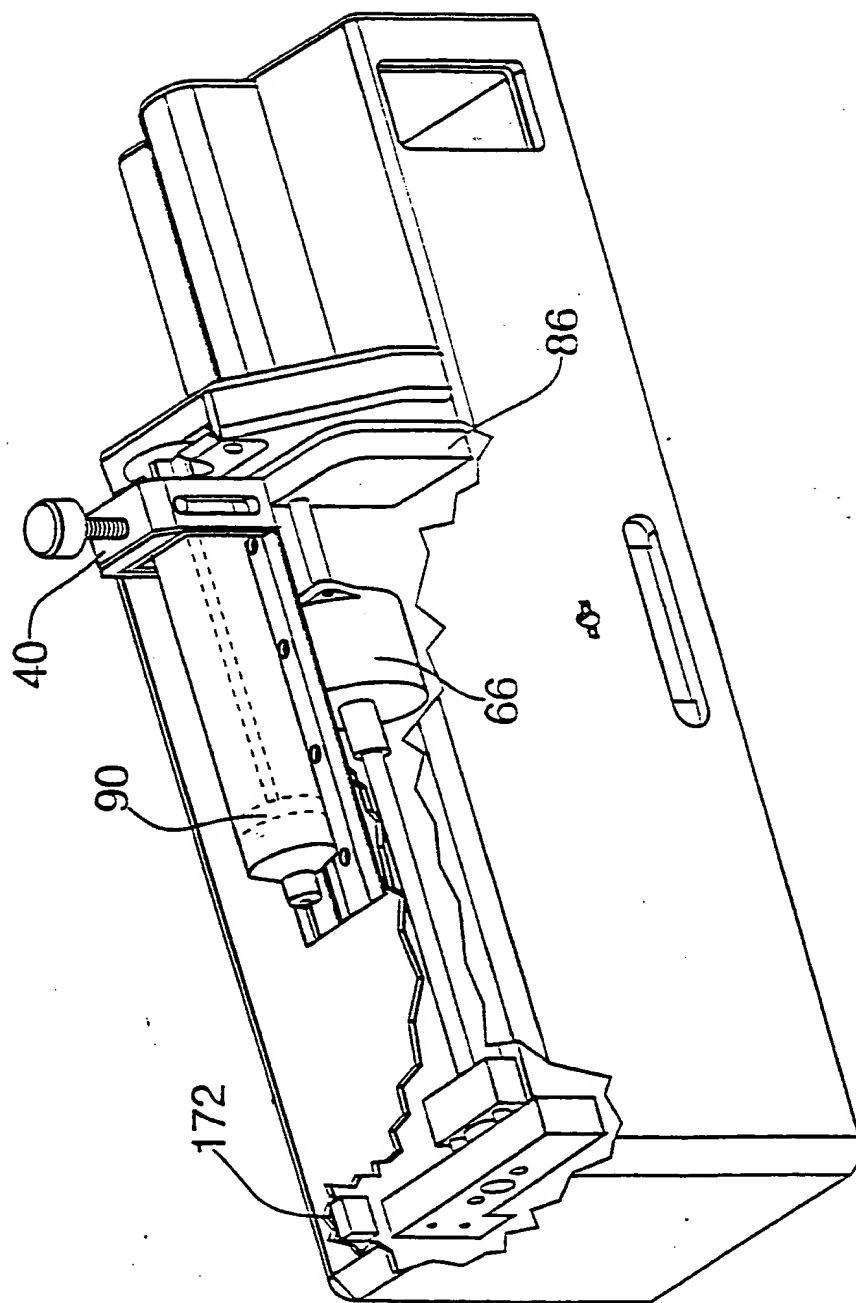


FIG. 3



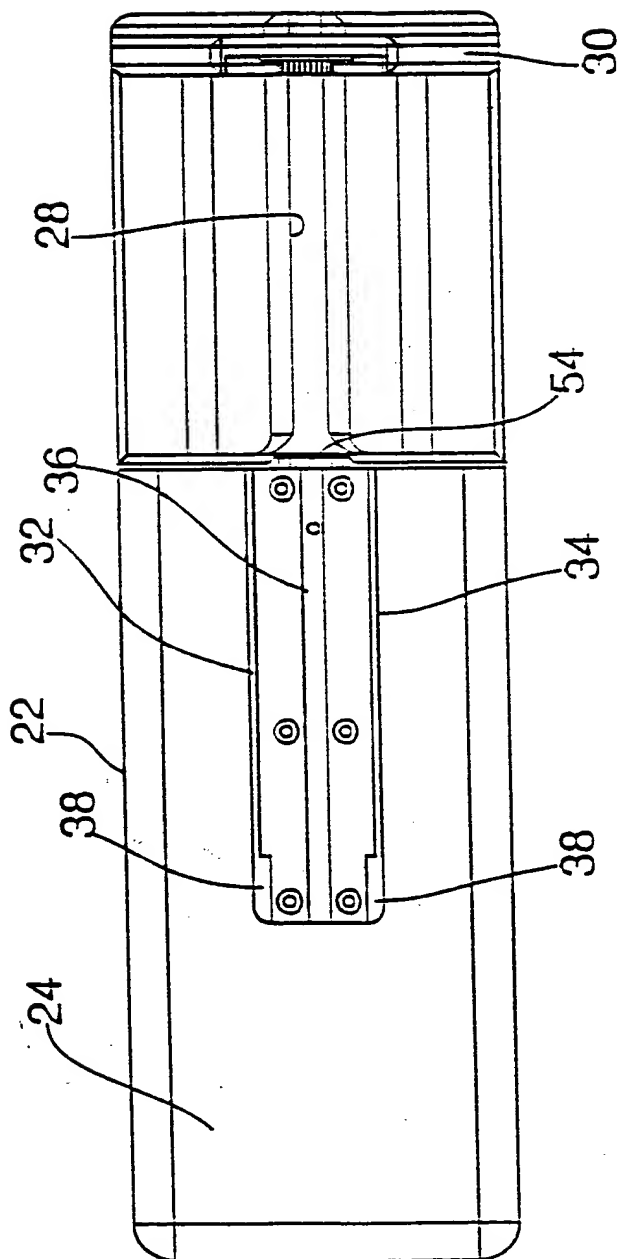


FIG. 5A

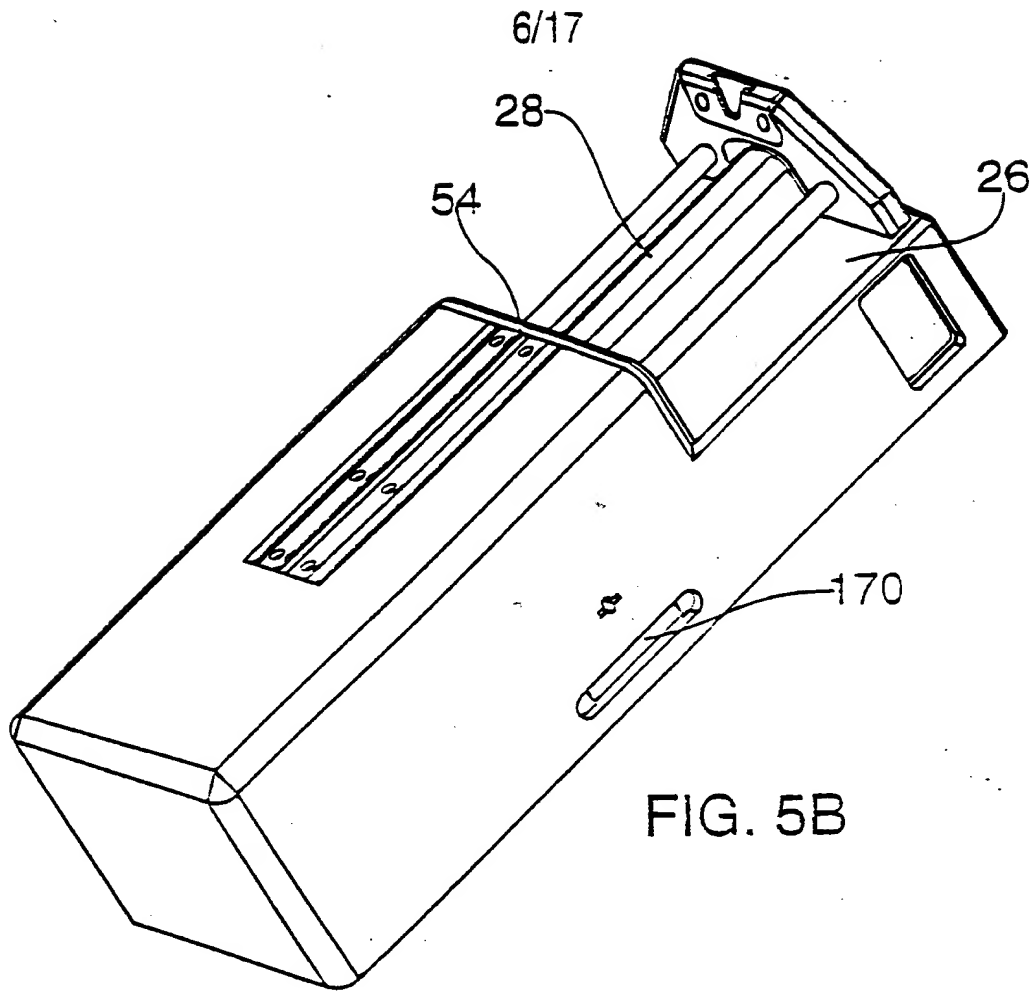


FIG. 5B

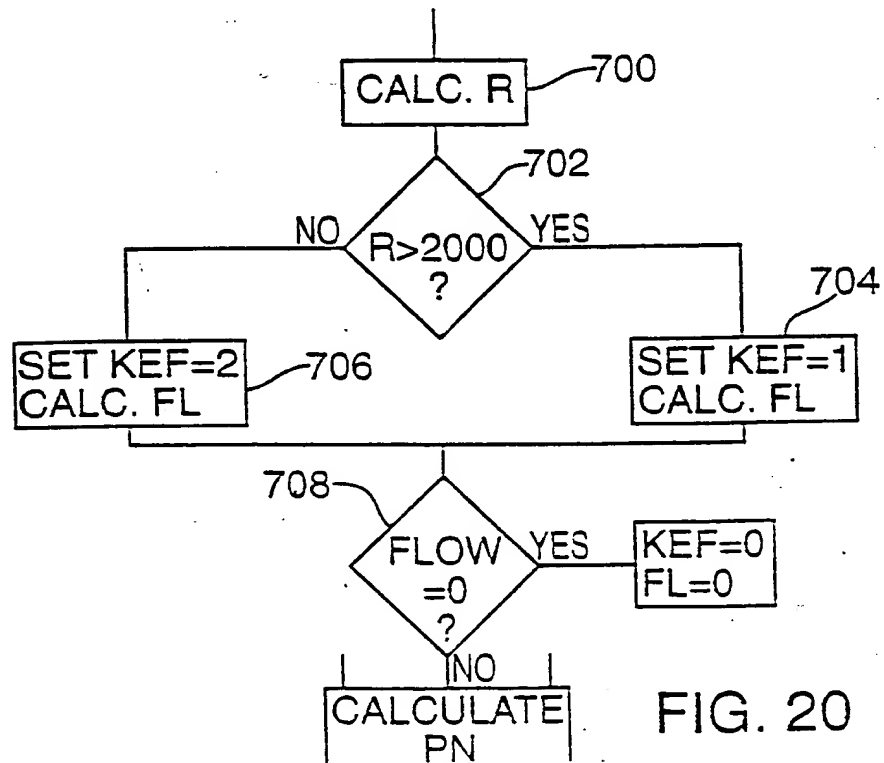


FIG. 20

102210-01699450

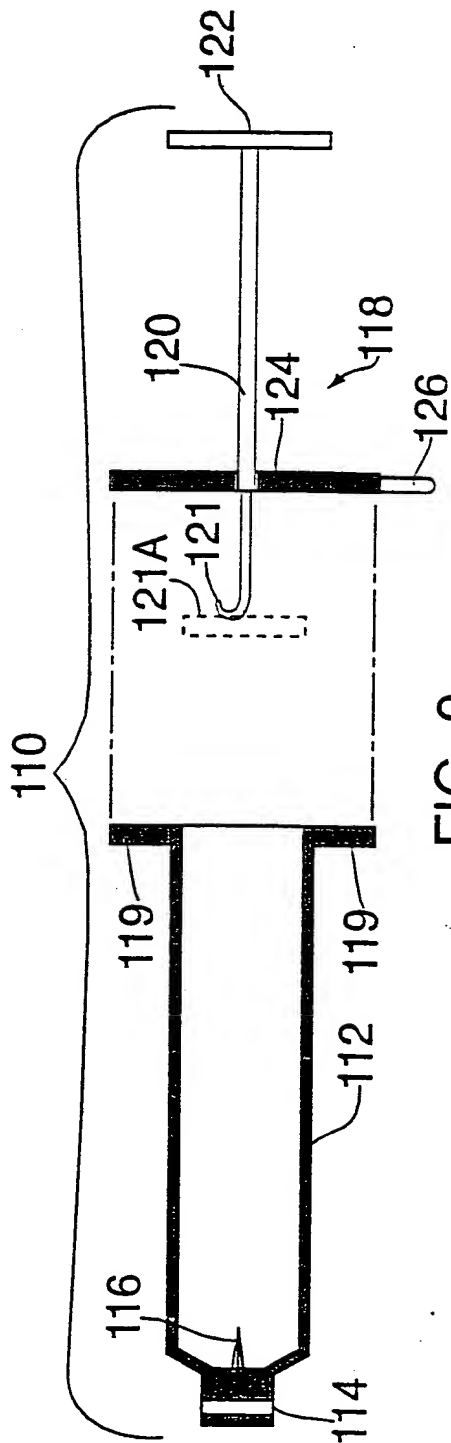


FIG. 9

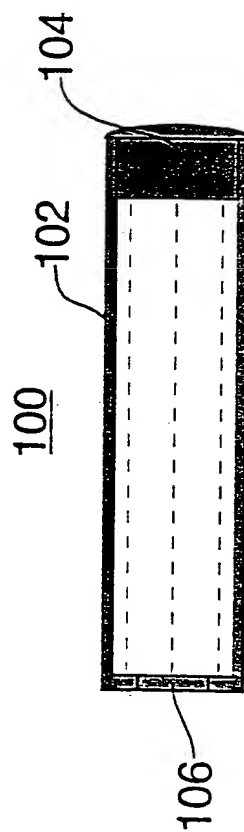


FIG. 8  
(PRIOR ART)

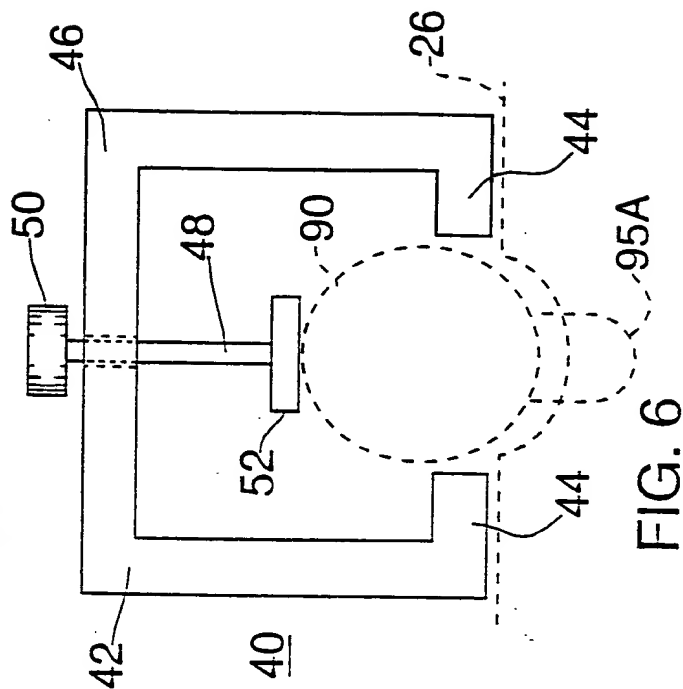


FIG. 6

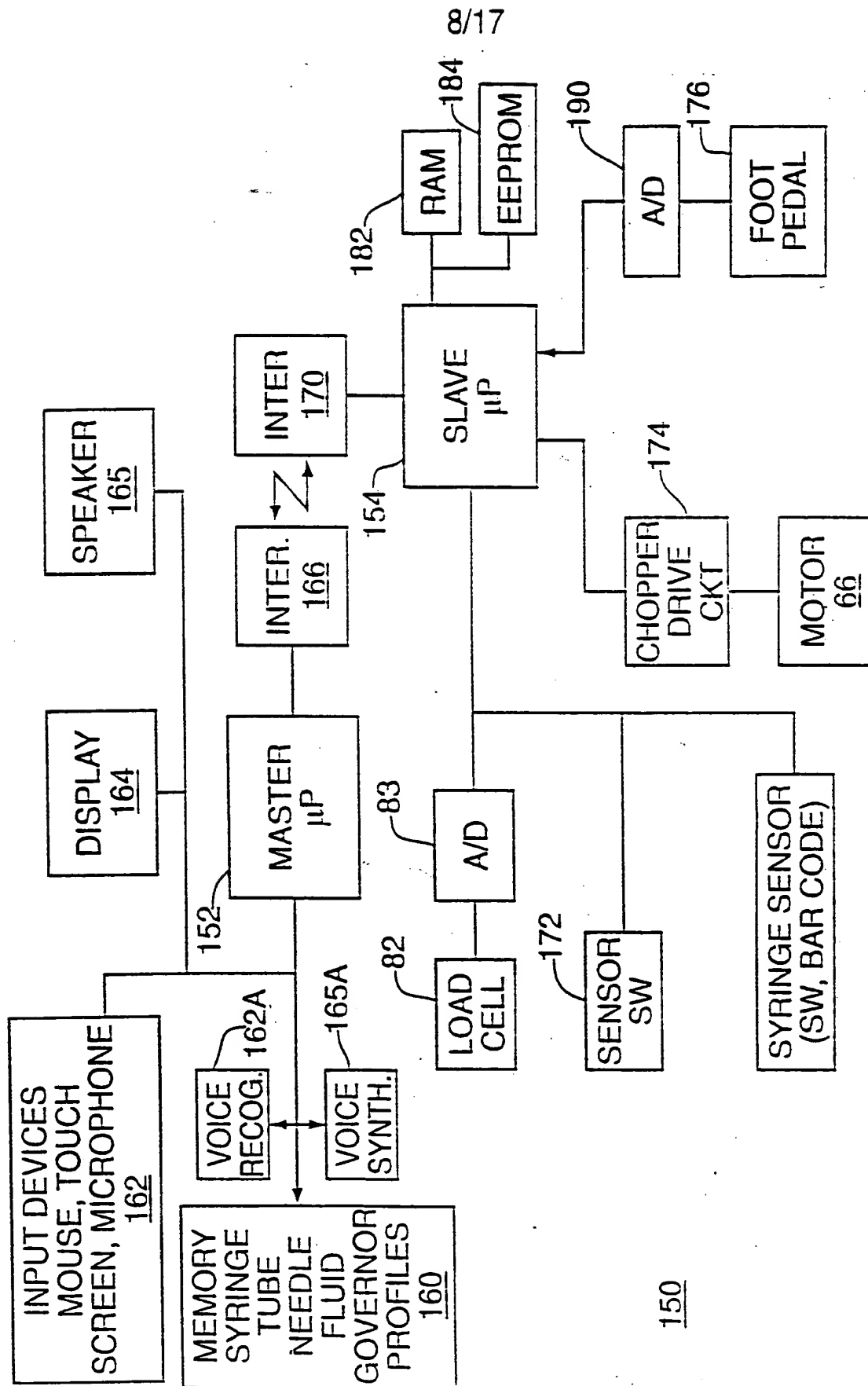
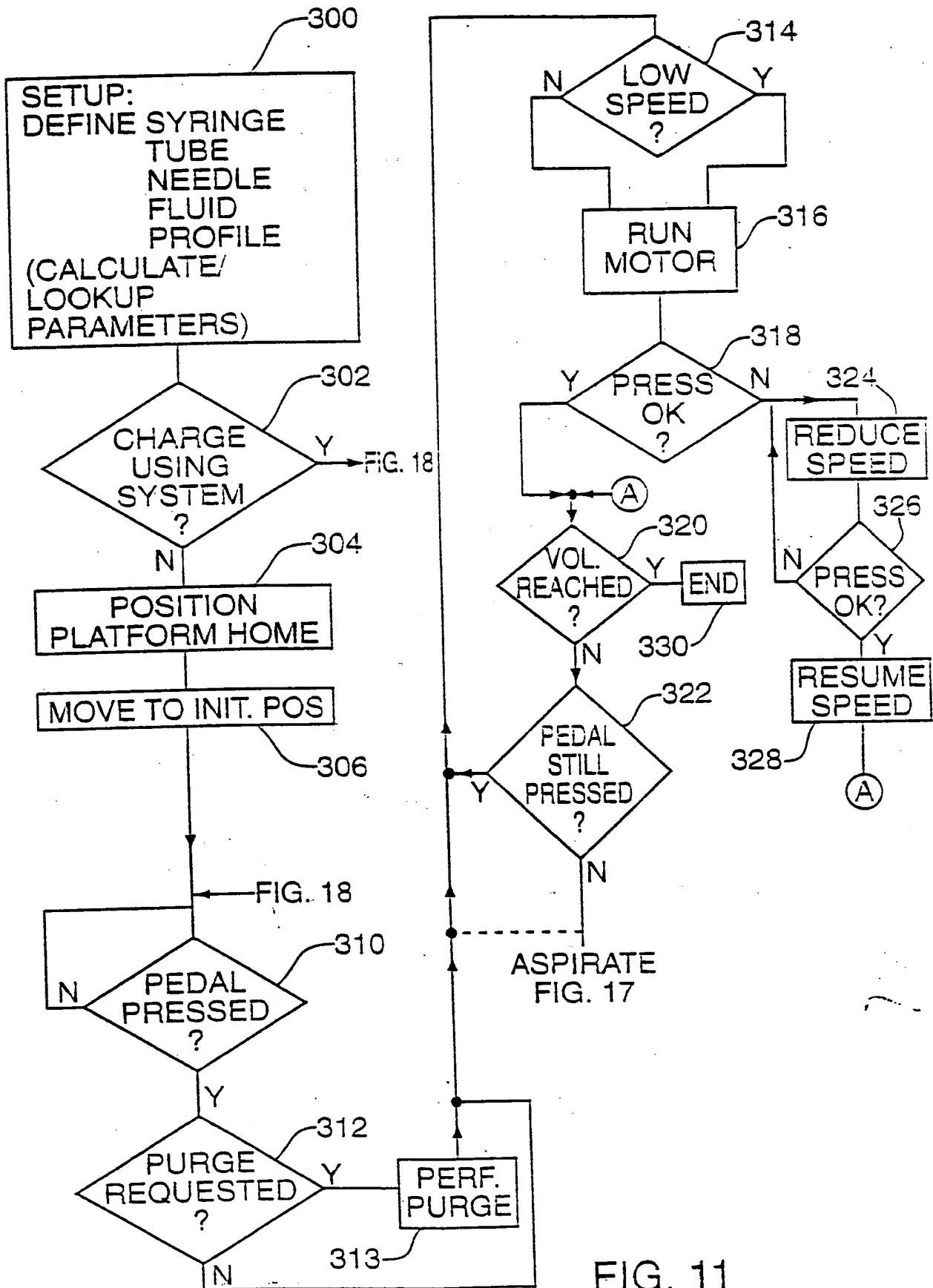


FIG. 10





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Milestone Database Setup

Syringe

Type	Stroke Length	Syringe Force	Nominal Volume (CC)	Full Point
I102CC	1.9	0.5	1.8	1
I03CC	2	0.33	3	2.53
I05CC	1.75	1	5	2.8
I10CC	2.4	1.3	10	2.17
I20CC	2.75	1.8	20	1.65

Needle

Type	Gage	Diameter	Length
I18D-305128	30	0.0061	1
I18D-305135	27	0.02	1.25
I08-33333			
I00-1234			
Iasdsad	23	23	23

Fluid

Type	Viscosity	Specific Weight
X12adv	900001	0.0002
I12adv Fluid	1	2
IAsdsad	1	5

Tube

Type	Diameter	Length
I1Cancore	0.673	0.009
I1ube#1	0.015	54
I1ube#2	0.015	55

Machine Constants

IForce	ITravel	IMax Force	IZero Adjust	IThrottle Back	IScale Factor	ITare	IPedal Zero	ILow End	ILow Start	IHigh End	IHigh Start	IHigh Asurate
1	0.5	4.5	40	2	0.75	27	0.1					

Machine Profile Setup Screen  
Set Values for Components of Delivery System  
Setup Variable for Machine

FIG. 12A

Milestone Scientific (Profile Setup)
Release 2.1

File Edit Search Run

1 2 3 4 5 6 7 8 9 0 + - ↵

**General**

Test Profile Name

Test#1

Last Date Modified

10/6/98

Last Time Modified

9:07:35AM

**System Sizes**

Syringe

60CC

Nominal Volume

4.25 in.

Stroke Length

2.75 in.

Syringe Force

0.2 in.

Full Point

Needle

BD305136

Gage

27

Length

1.25 in.

Diameter

0.02 in.

Tube

Tube#1

Length

54 in.

Diameter

0.015 in.

Fluid

Body

Viscosity

0.0001

Specific Weight

0.0002

slugs/cubic inch

**Values**

Control

☐ Tested

Type

Injection

Low Flow

4

CC/Sec

High Flow

0.5

CC/Sec

Pressure Limit

40

PSI

Additional

Charge Flow

0.5

CC/Sec

Indicator

1

CC

Aspirate

Volume

0.001

CC

Flow

0.001

CC/Sec

Dwell

2

Sec

Purge

Volume

1

CC

Flow

0.2

CC/Sec

**Physiologic Source**

Electrocardiogram

**Specifics**

Volume

60

CC

☐ Charged

☐ Charged w/ Air

☐ Charged w/o Air

☐ Aspirate

☐ No Aspirate

**Calculations**

Needle Volume

CC

Tube Volume

CC

System Volume

CC

Volume/Step (0.0025 in.)

CC

Max Pressure (Low Flow)

PSI

Max Pressure (High Flow)

PSI

Max Flow

CC/Sec

FIG. 12B

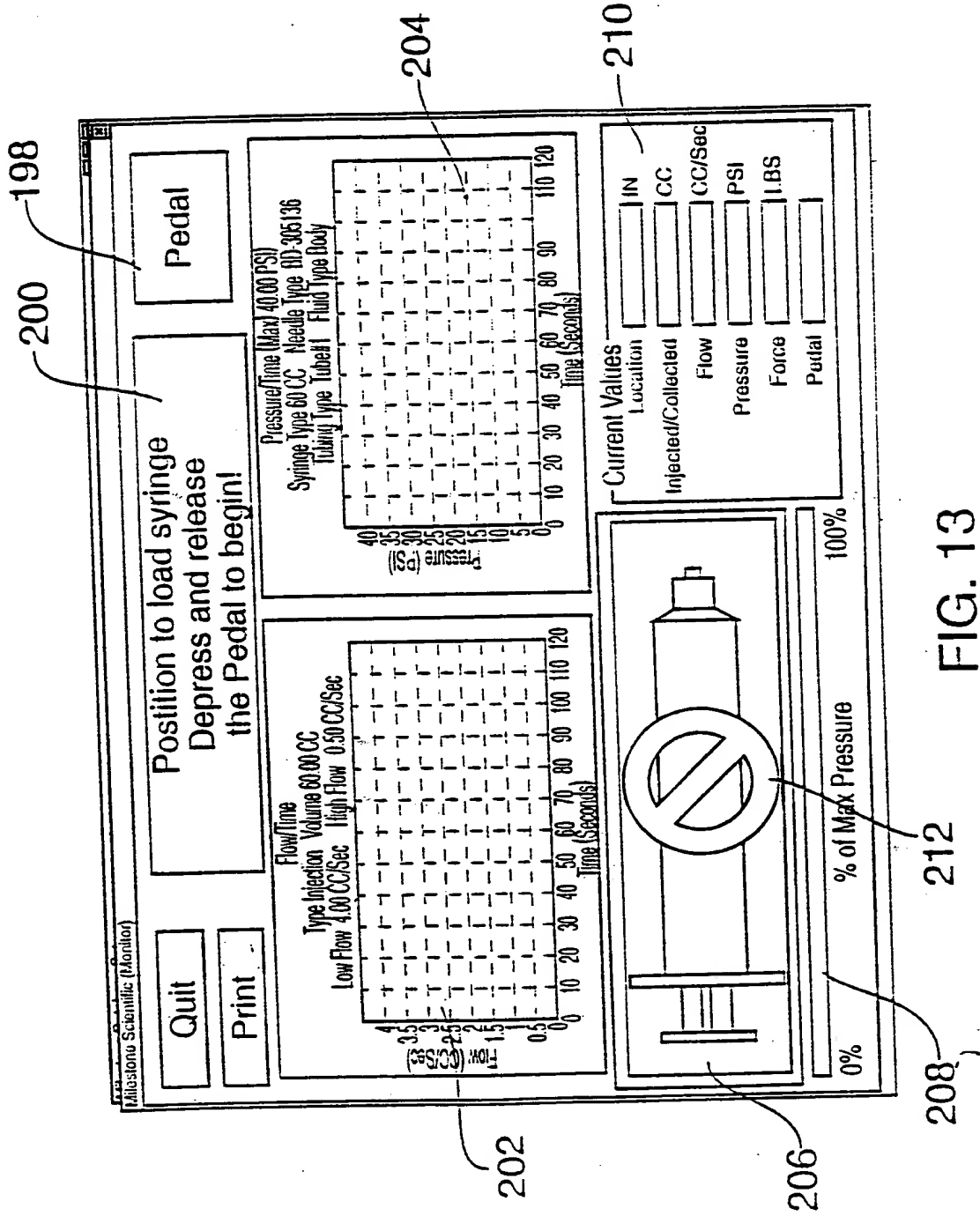


FIG. 13

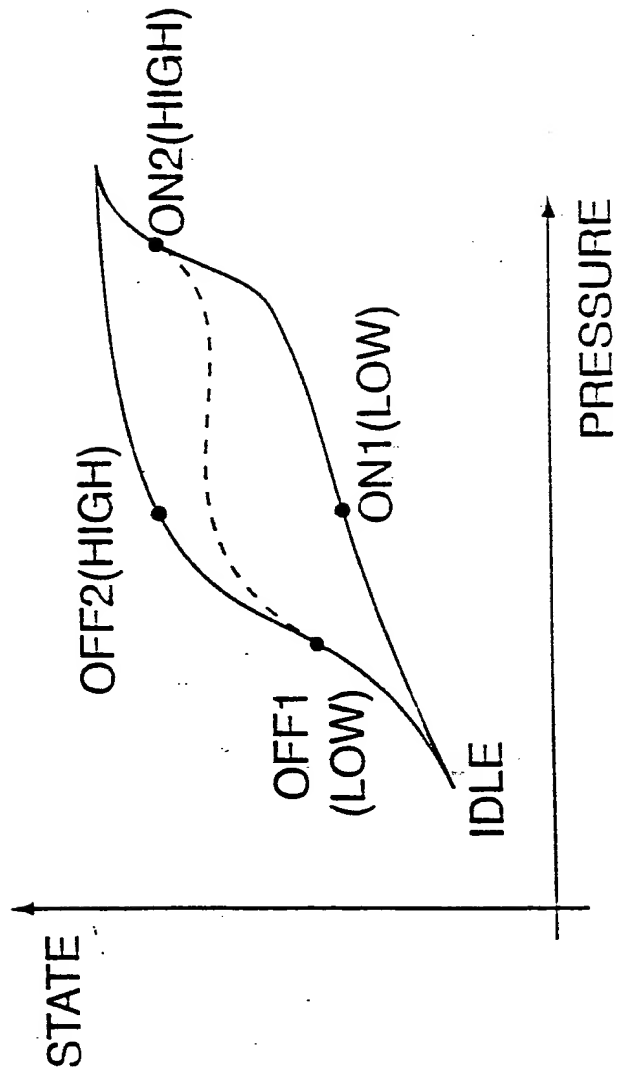


FIG. 14

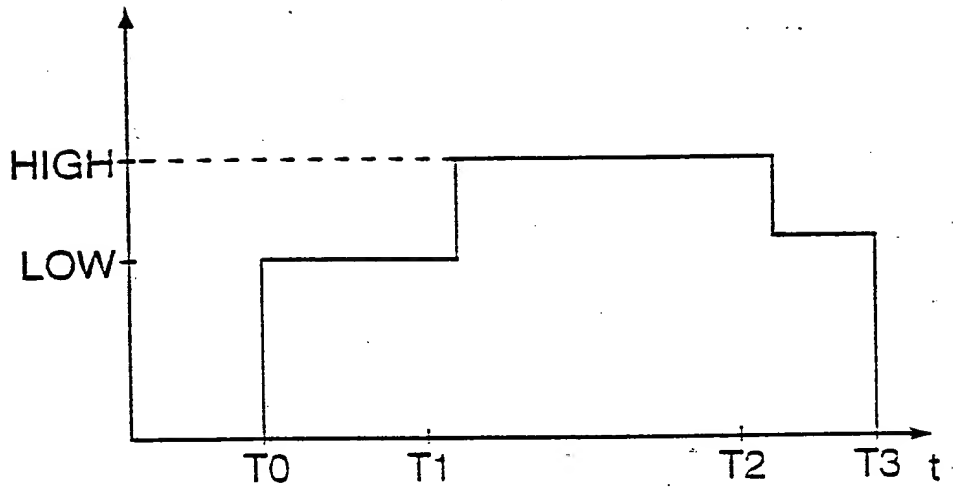


FIG. 15A

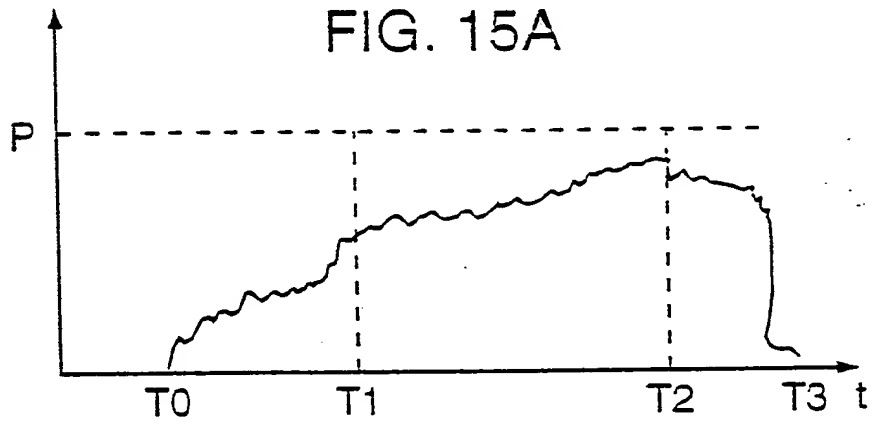


FIG. 15B

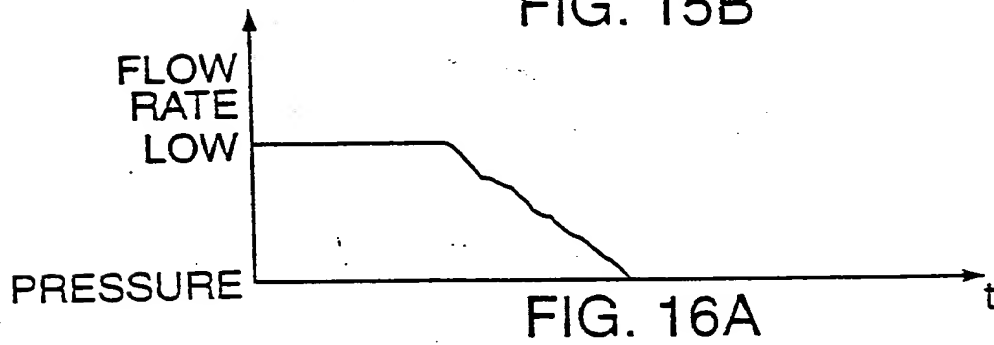


FIG. 16A

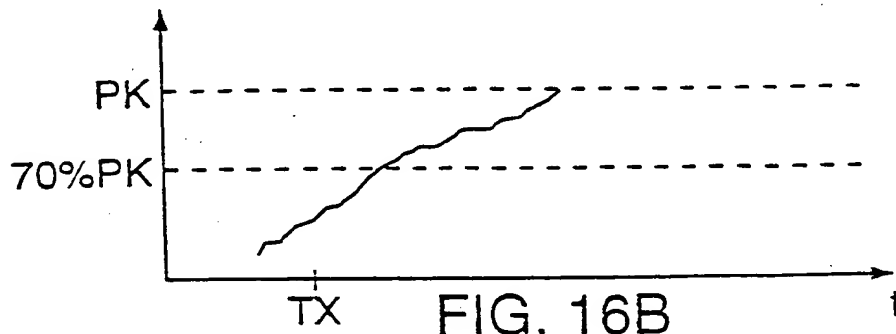


FIG. 16B

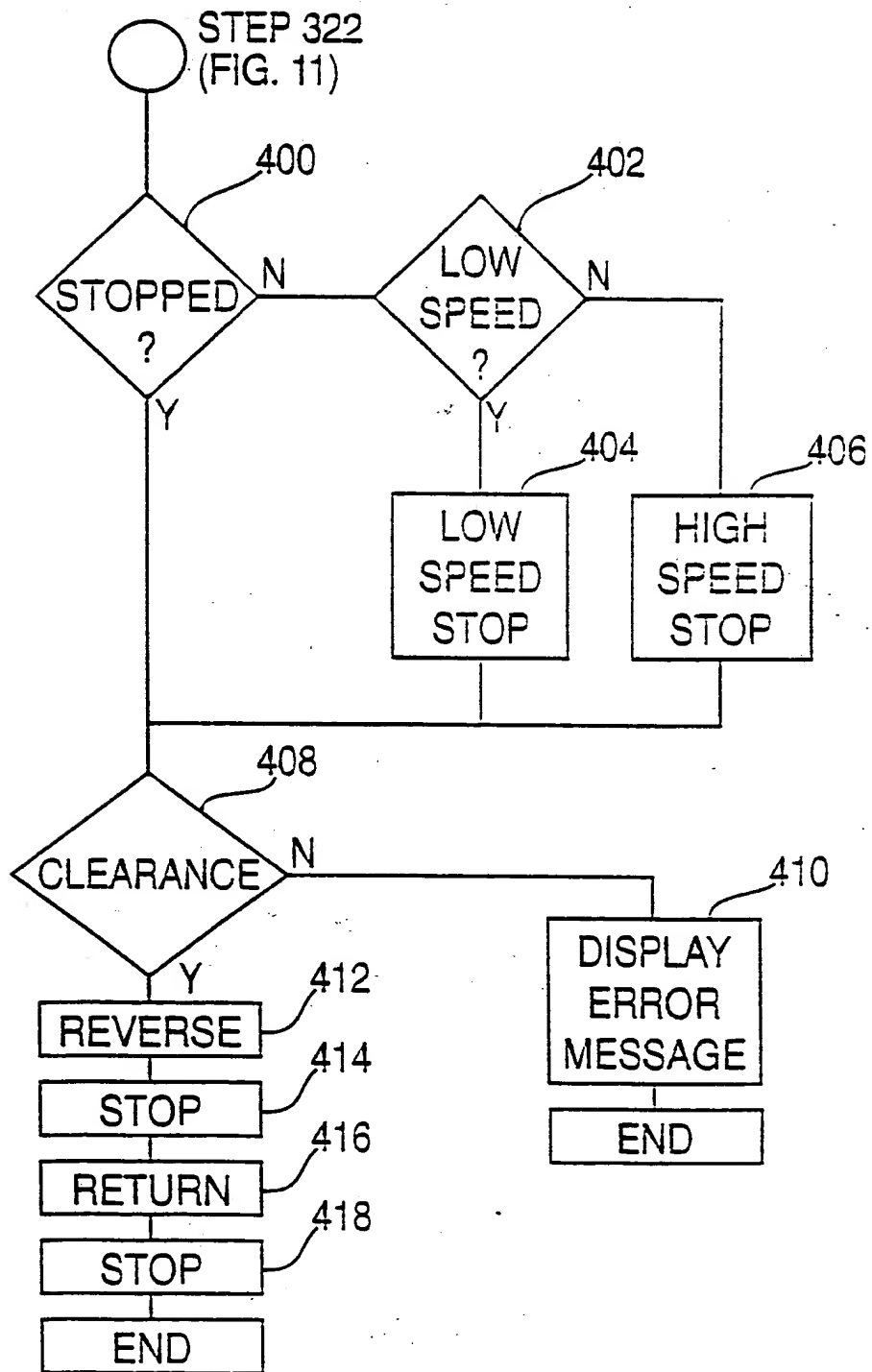


FIG. 17

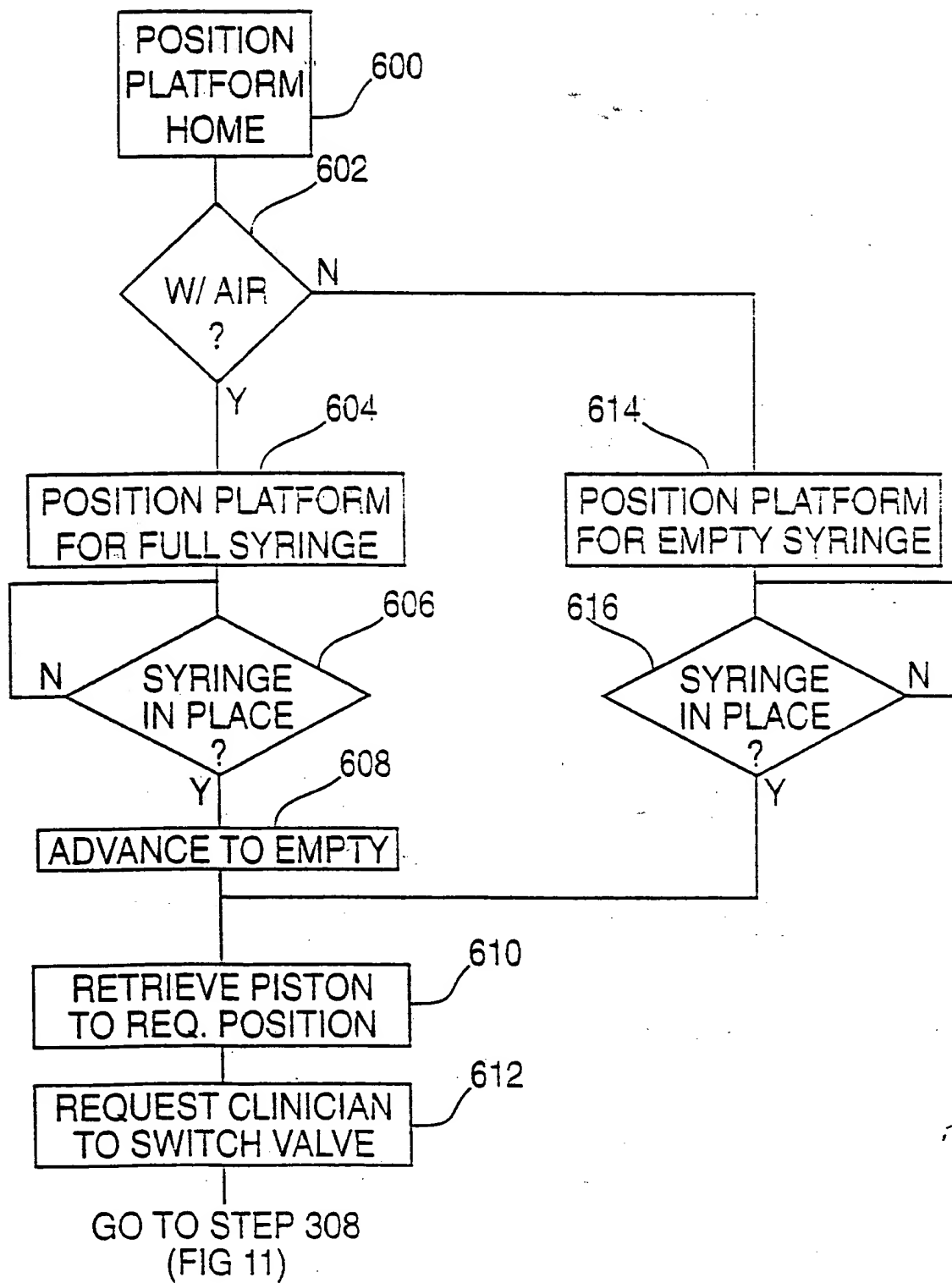


FIG. 18



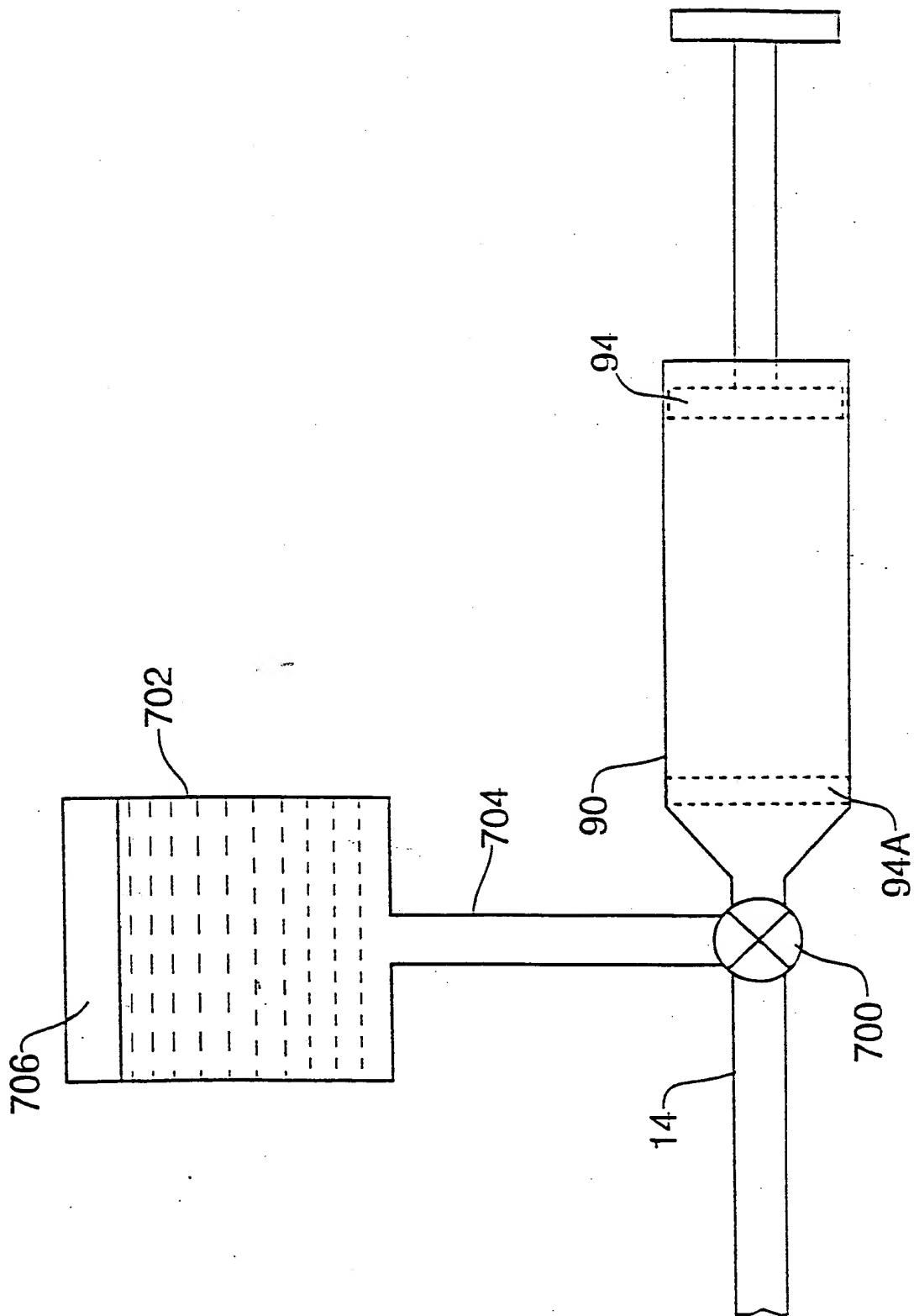


FIG. 19